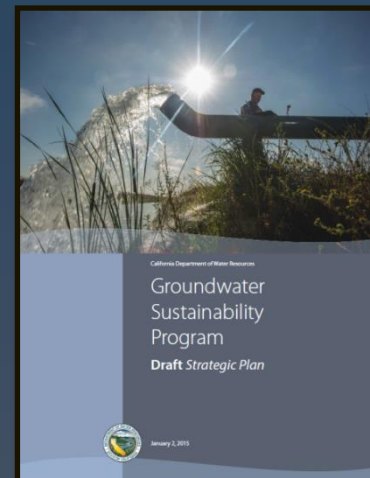
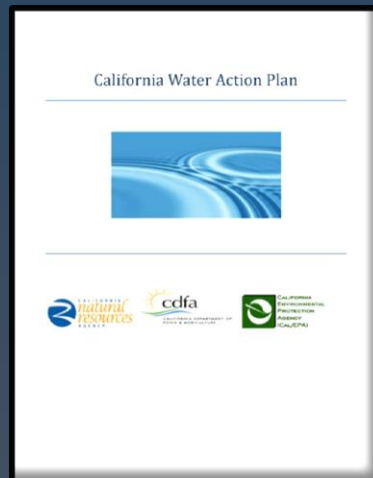




Agenda #3 – California's Groundwater Future Directions

- Governor's California Water Action Plan, (Jan., 2014)
- Sustainable Groundwater Management Act (Sept., 2014)
 - AB 1739: Dickinson
 - SB 1168: Pavley
 - SB 1319: Pavley
- DWR's Sustainable Groundwater Management Program (Jan., 2015)





California Water Action Plan

A 5-Year Plan Towards Sustainable Water Management

Action 6: Expand water storage capacity and improve groundwater management





California's Sustainable Groundwater Management Act (SGMA)

"A central feature of these bills is the recognition that groundwater management in California is best accomplished locally."

Governor Jerry Brown





California's Groundwater Update 2013 Recommendations

Nexus with California Water Action Plan and SGMA

1. Promote public education about groundwater.
2. Improve collaboration, coordination, and alignment among agencies.
3. Develop a statewide groundwater management planning Web site to promote easy access to groundwater information.
4. Improve essential data to enable sustainable groundwater management by expanding and funding the CASGEM Program.
5. Improve understanding of California's high- and medium- priority groundwater basins by conducting groundwater basin assessments.
6. Develop a groundwater sustainability plan evaluation and implementation process.
7. Advance sustainable groundwater management within the framework of integrated water management.
8. Review and assist local agencies in developing improved analytical tools to assess conjunctive management and groundwater management strategies.
9. Increase local and regional groundwater recharge and storage.

Groundwater Sustainability



*Undesirable Results:
Significant and unreasonable...*

Lowering of
Groundwater
Levels

Reduction of
Groundwater
Storage

Seawater
Intrusion

Water Quality
Degradation

Land
Subsidence

Depletions of
Surface Water

SGMA Milestones for Success



Groundwater Sustainability Agencies

- GSA Formation by June 30, 2017
- Only local agencies can be GSAs
- 53 GSAs as of Sept. 7, 2015

Groundwater Sustainability Plans

- January 31, 2020 for critically overdrafted basins
- January 31, 2022 for all other high and medium priority basins
- Basins with multiple GSPs must coordinate through agreements

Groundwater Sustainability

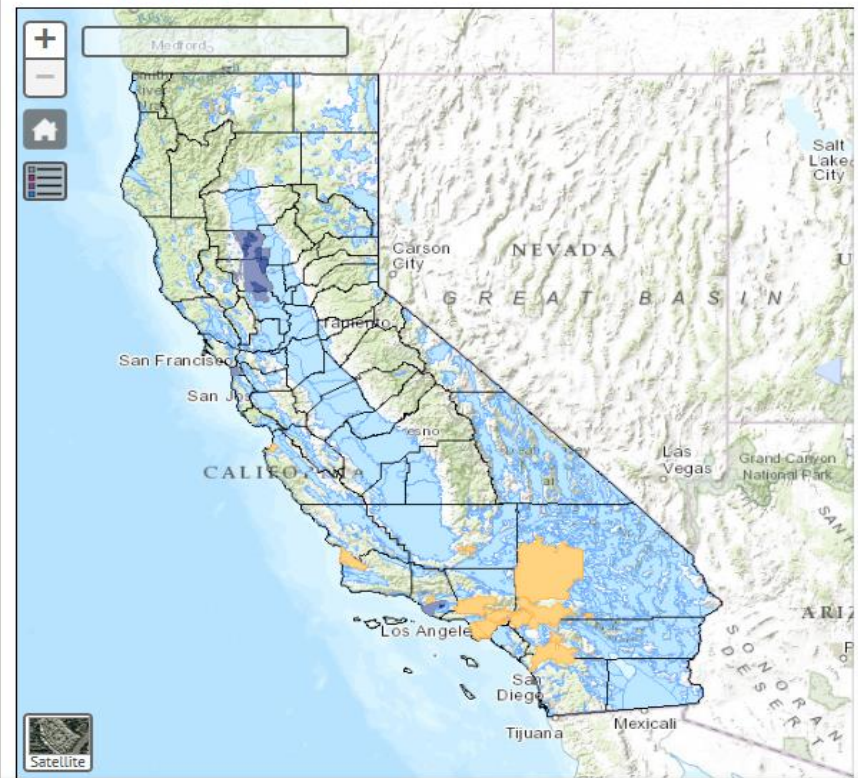
- 20-year implementation period
- 50-year planning horizon

GSA Interactive Map

This interactive map shows the location of local agencies that have elected to become Groundwater Sustainability Agencies (GSAs). The boundaries of the GSAs are based on information submitted to DWR by those local agencies. While DWR makes every effort to provide accurate information, DWR has not reviewed the GSA boundary information contained in this map and makes no warranties as to the suitability of this map for any particular purpose. Where multiple local agencies have claimed the same portion of a groundwater basin, the areas of overlap are indicated by a darker color within the GSA boundaries.

In addition to GSA boundaries, the interactive map application shows the following: (1) Bulletin 118-2003 groundwater basins; (2) CASGEM basin prioritization; (3) adjudicated areas listed in Water Code § 10720.8 (full list available soon); and (4) local agencies listed in Water Code § 10723(c) (available soon).

If you have questions related to GSAs or have comments related to the interactive map please contact Mark Nordberg at Mark.Nordberg@water.ca.gov. The GSA Interactive Map was last updated on August 10th, 2015.

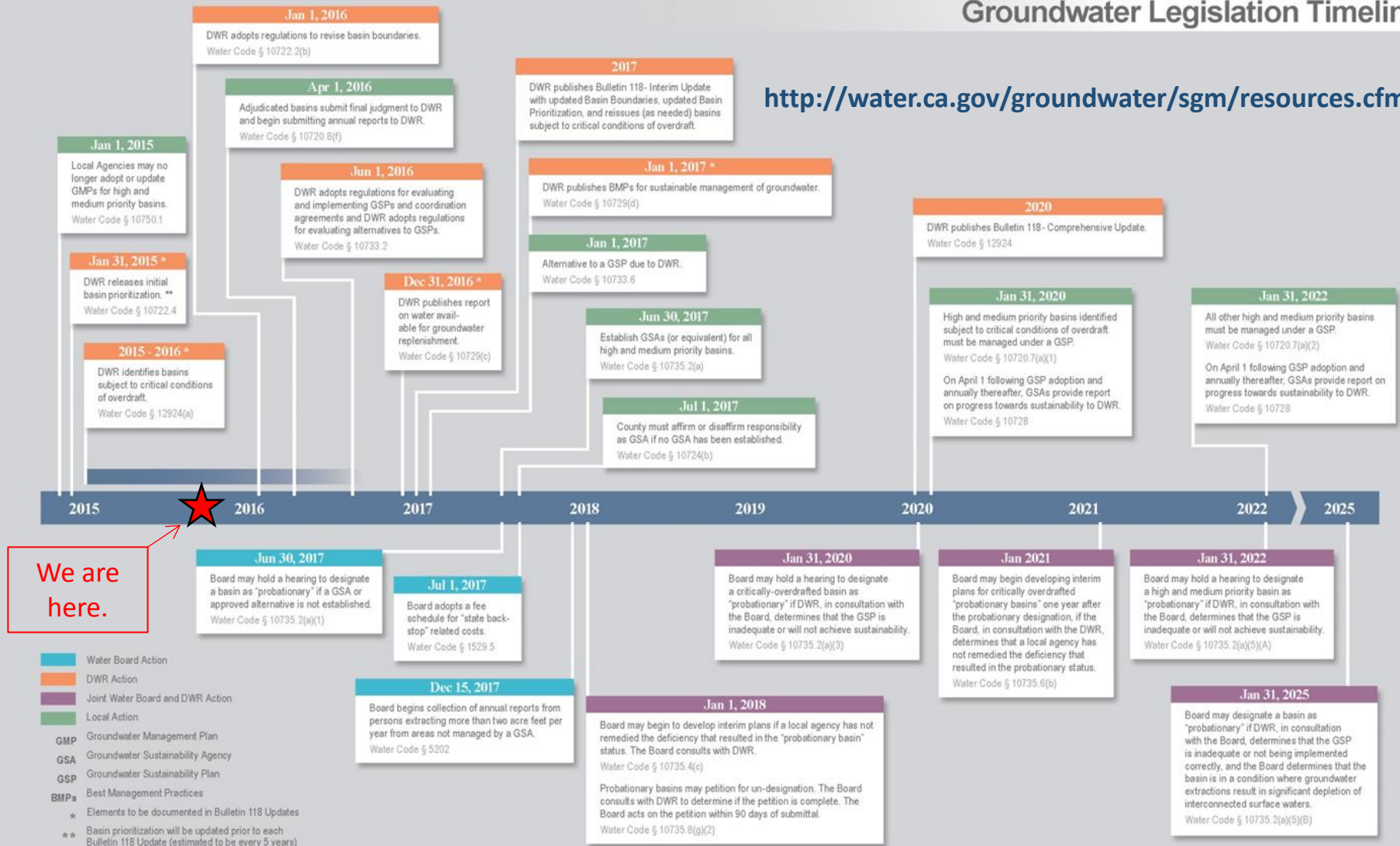


SGMA Timeline (2015-2025)

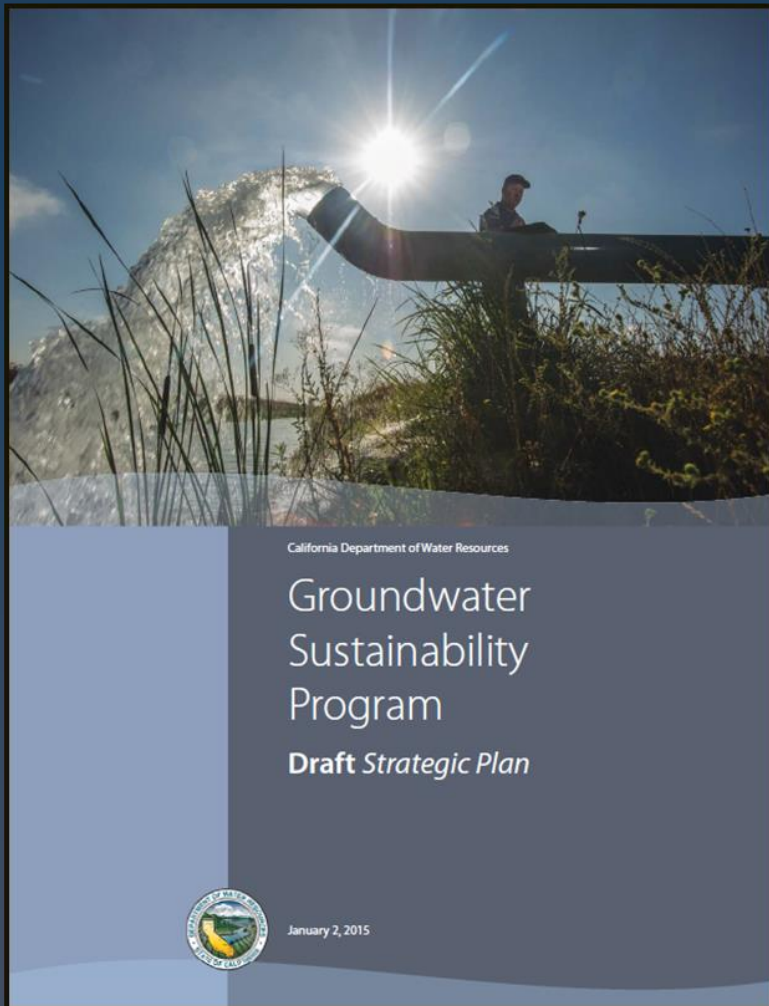


Groundwater Legislation Timeline

<http://water.ca.gov/groundwater/sgm/resources.cfm>



DWR's Implementation of SGMA

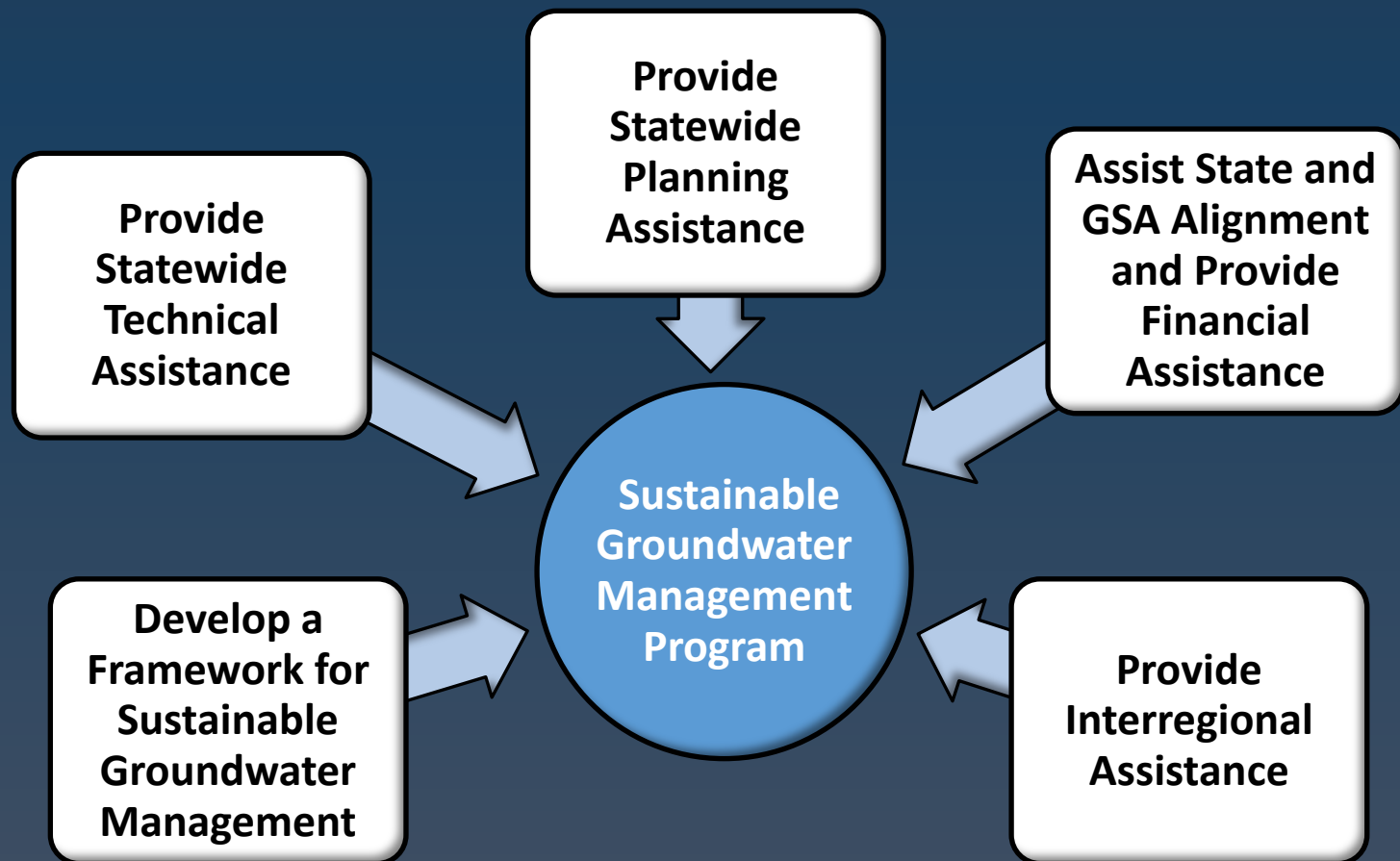


SUSTAINABLE GROUNDWATER MANAGEMENT PROGRAM

- Describes DWR's roles and responsibilities under SGMA
- Outlines actions from the California Water Action Plan
- Presents DWR's groundwater sustainability goals, objectives, and actions

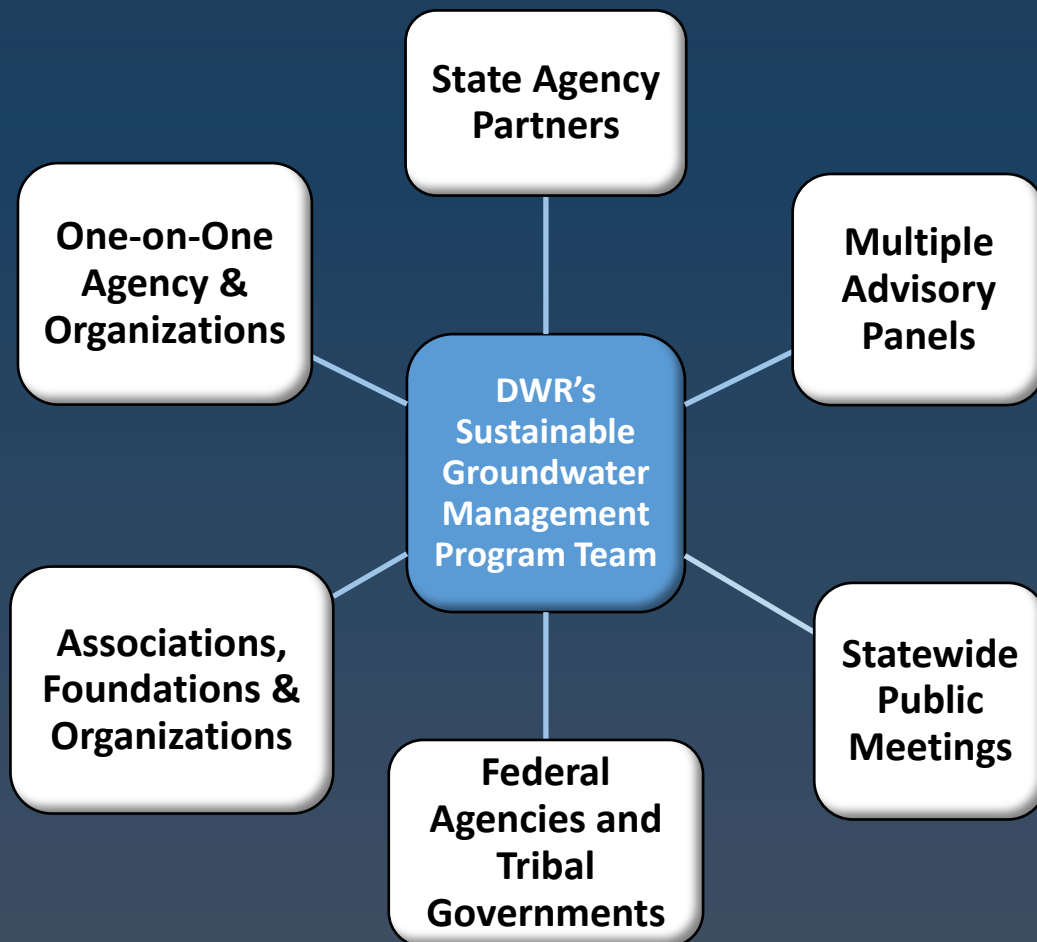
<http://water.ca.gov/groundwater/sgm/index.cfm>

DWR's Sustainable Groundwater Management (SGM) Program





SGM Communication and Outreach



ADVISORY PANELS

- *Practitioners Advisory Panel*
- *Tribal Advisory Group*
- *Non-Governmental Organizations*
- *Association of California Water Agencies*
- *Northern California Water Association*
- *San Joaquin Tributaries Authority*
- *San Luis & Delta Mendota Water Authority*
- *Central Coast Area*
- *RCRC & CSAC*
- *Agricultural Community*
- *Tulare Lake Hydrologic Group*



SGM Immediate Actions

Develop Regulations for Basin Boundary Revisions

Draft regulations posted July 17, 2015

Due January 2016

Update Basin Prioritization

Completed January 2015

Re-prioritization following basin boundary revisions in 2017

Identify Basins Subject to Critical Conditions of Overdraft

Draft list posted August 19, 2015

Develop Regulations for Groundwater Sustainability Plans (GSPs)

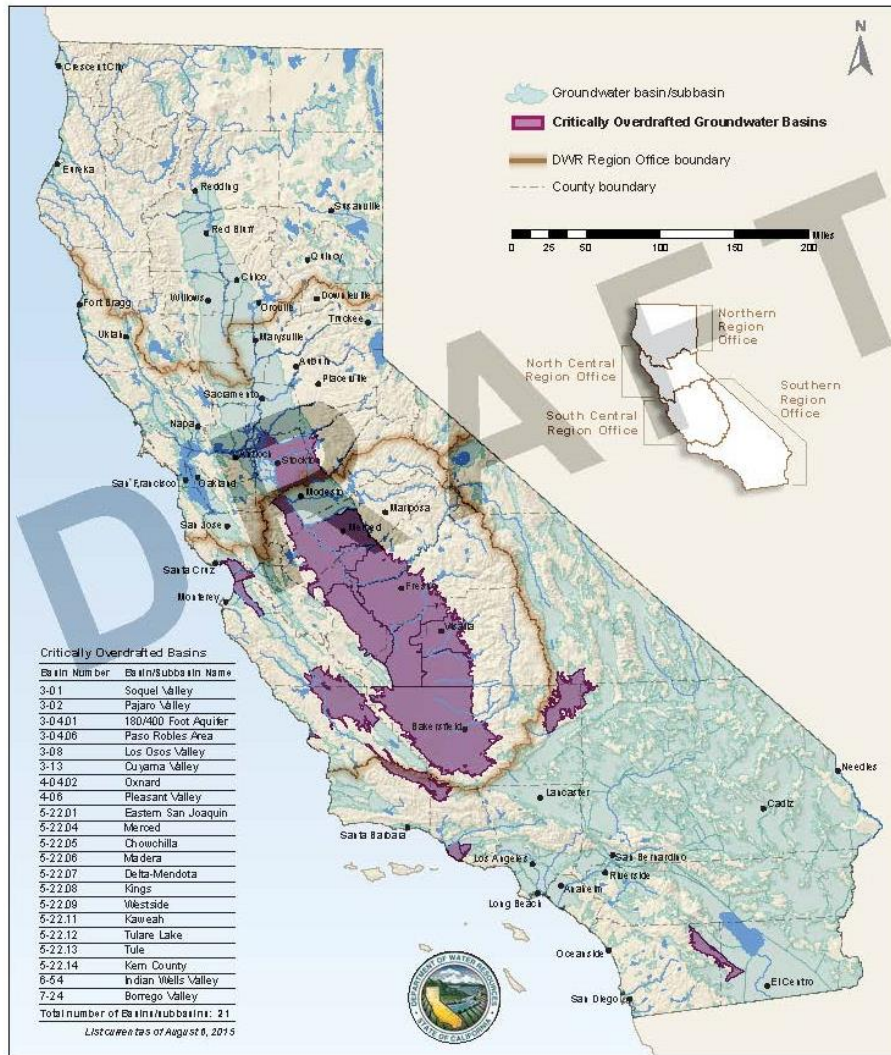
Currently working with advisory groups

Due June 2016

Critically Overdrafted Basins



Critically Overdrafted Groundwater Basins – August 6, 2015 Draft



- DWR updated the list of basins subject to critical conditions of overdraft...comment period ends Sept. 25th.
- These 21 basins are required to prepare GSPs by January 31, 2020
- All other high and medium priority basins must prepare GSPs by January 31, 2022
- Based on presence of undesirable results
 - Chronic lowering of GW levels
 - Seawater intrusion
 - Land subsidence
 - Degraded water quality

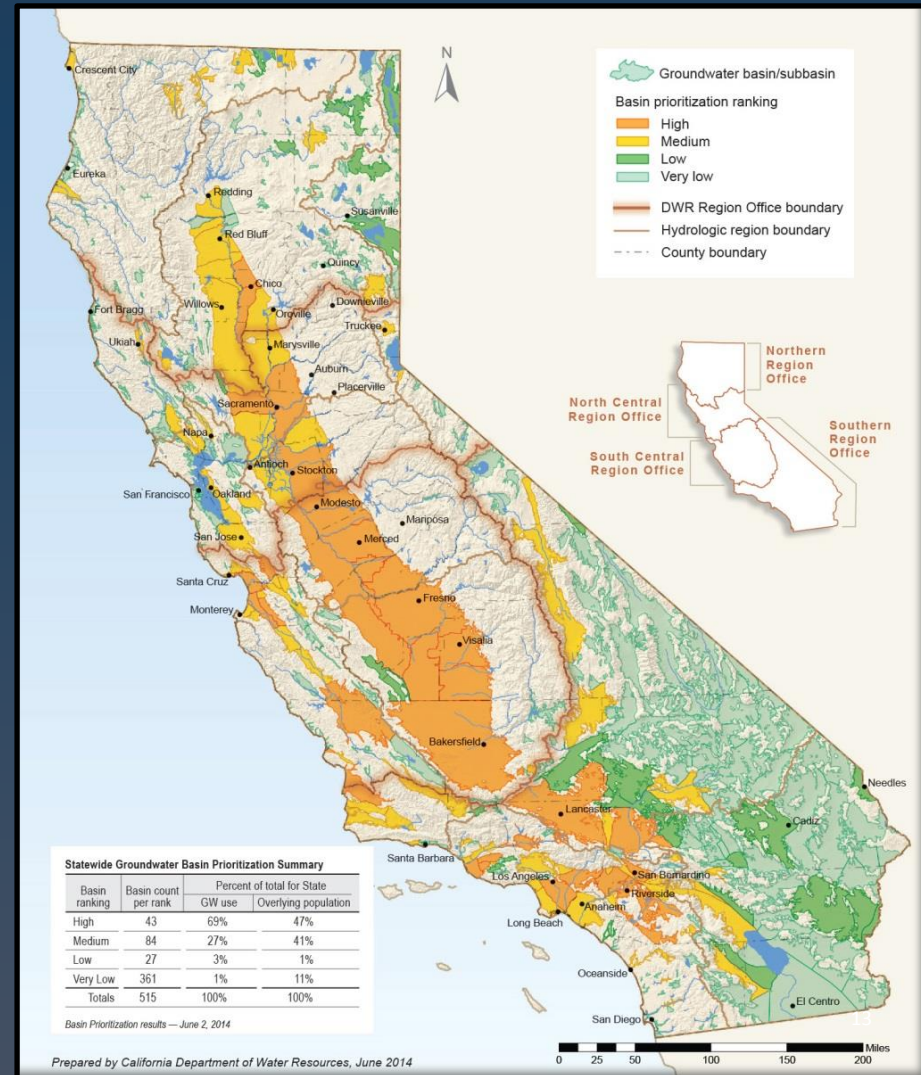
SGMA Basin Prioritization



- 127 high & medium priority basins required to prepare GSPs.
- A “basin” is an alluvial aquifer, not a fractured rock aquifer
- 127 Basins represent:
 - 96% of average annual GW supply
 - 88% of 2010 population overlying
- Will be updated in 2016-17 to include impacts to habitat and streamflow

| BASIN RANKING | BASIN COUNT | PERCENT OF TOTAL | |
|---------------|-------------|------------------|------------|
| | | GW USE | POPULATION |
| High | 43 | 69% | 47% |
| Medium | 84 | 27% | 41% |
| Low | 27 | 3% | 1% |
| Very Low | 361 | 1% | 11% |
| Totals | 515 | 100% | 100% |

Basin Prioritization Results – June 2, 2014





Basin Boundary Regulation Process

Jan-April

April-May

July-Sept

Oct-Nov

Scoping

- Notify OAL
- Collect Issues from Stakeholders
- Coordinate with SWRCB & CWC

Draft Framework

- Public Listening Sessions
- Present and Receive Input from Advisory Groups and Public

Draft Emergency Regulations

- Required Public Meetings
- Present and Receive Input from Advisory Groups and Public

Adopt Emergency Regulations

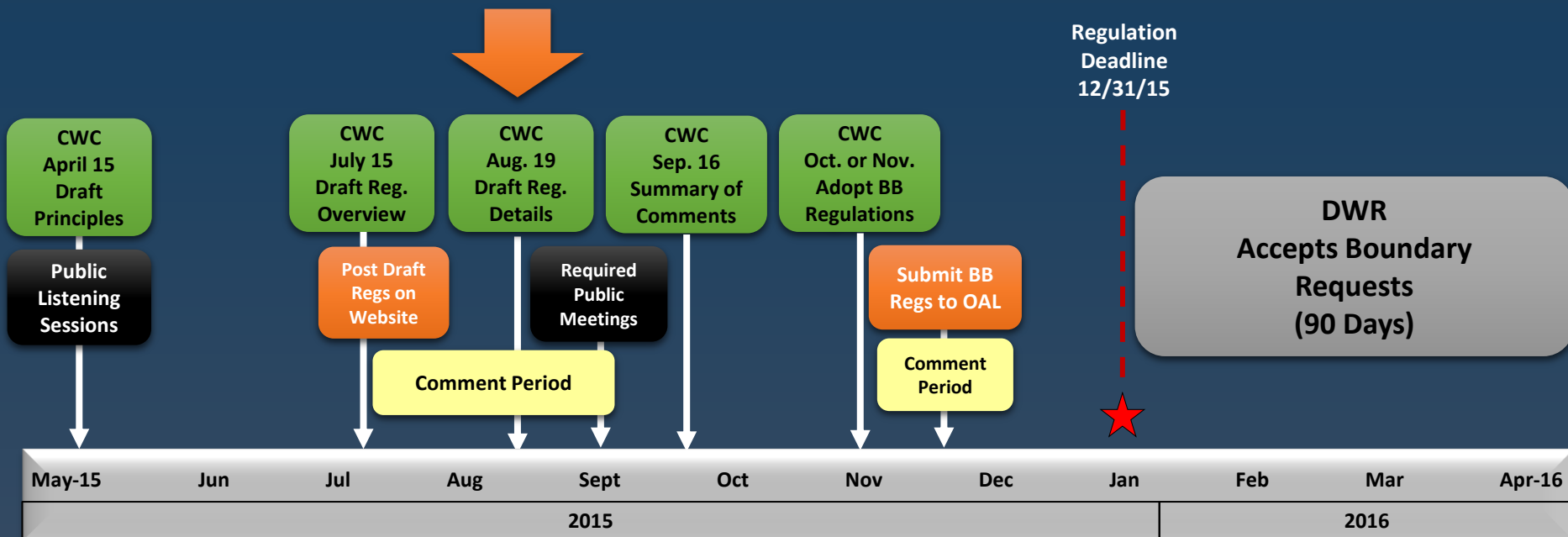
- CWC Approval
- Noticing and Submittal to OAL

Input and Feedback from the CWC and SWRCB



Basin Boundary Regulations

Estimated Timeline



GSP Regulations – Issue Topics

Phase 1 –

Scoping

(Collection of
Issues)

All 10 +
Topics
(May-Jun)

Phase 2 –

Draft

Discussion
Papers and
Public

Informational
Sessions

1st Batch
(Jun-Jul)

2nd Batch
(Jul–Aug)

3rd Batch
(Aug-Sep)





GSP/ALT Regulations Process

- **Phases of Implementation**

Scoping

- Notify OAL
- Collect Issues from Stakeholders
- Coordinate with SWRCB & CWC

Draft Framework (Topic Based)

- Public Listening Sessions
- Present and Receive Input from Advisory Groups and Public

Draft Emergency Regulations

- Required Public Meetings
- Present and Receive Input from Advisory Groups and Public

Adopt Emergency Regulations

- CWC Approval
- Noticing and Submittal to OAL

Input and Feedback from the CWC and SWRCB

CWC – California Water Commission

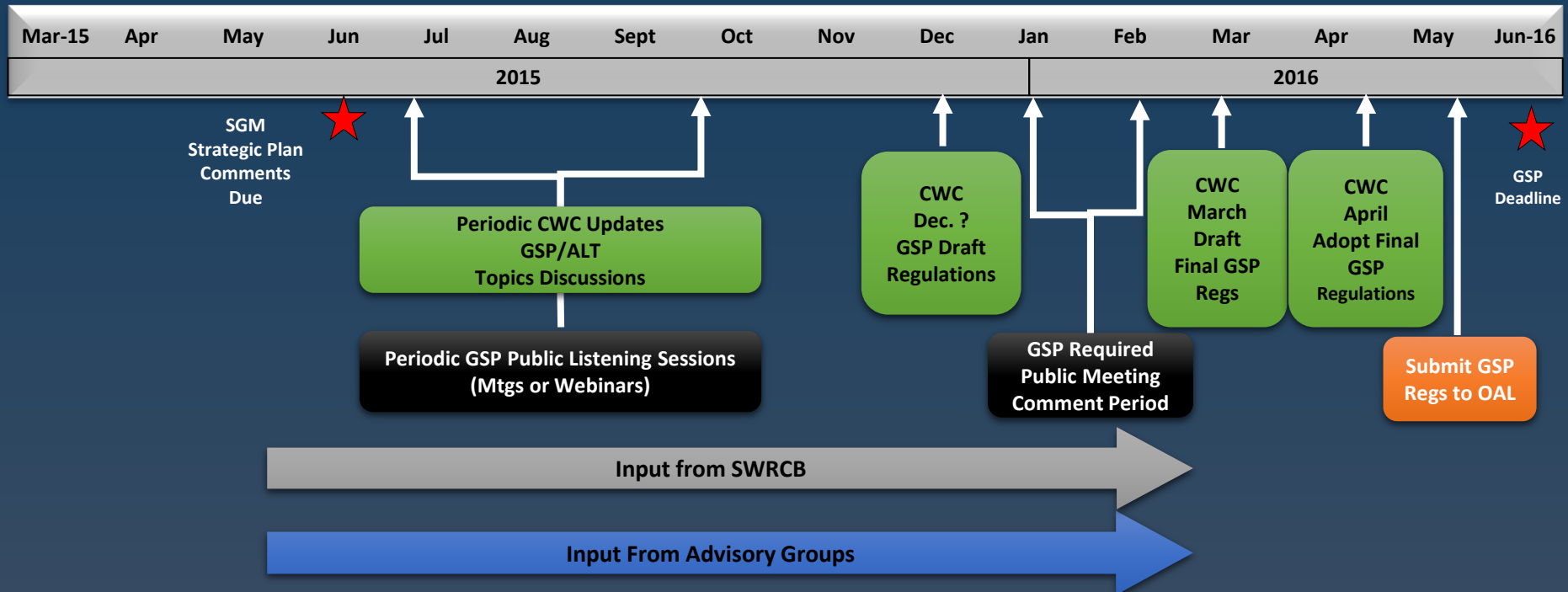
SWRCB – State Water Resources Control Board

OAL – Office of Administrative Law



GSP/ALT Regulations

Estimated Project Timeline



DWR's Groundwater Information

<http://water.ca.gov/groundwater/>



Sustainable Groundwater Management Act (SGMA)

- <http://www.groundwater.ca.gov/>

DWR's Groundwater Website

- Sustainable Groundwater Management (SGM) Program
- Groundwater Information Center
- CASGEM Program
- Bulletin 118

SGMA Email Mailing List:

<http://water.ca.gov/groundwater/sgm/subscribe.cfm>

A screenshot of the California Department of Water Resources (DWR) website. The header includes the "CA.GOV" logo, navigation links for "HOME", "NEWSROOM & EVENTS", "ISSUES", and "ABOUT US", and a search bar. The main banner features a photograph of a water pump and the text "SGM Sustainable Groundwater Management". The "Introduction" section describes the DWR's Strategic Plan for the SGM Program. The "Announcements" section lists recent updates, including draft regulations and basin boundary emergency regulations. The "Groundwater Sustainability Program Draft Strategic Plan" section outlines the draft plan's goals. A sidebar on the right, titled "GROUNDWATER HOME", lists various resources, with "Subscribe for Email Updates" circled in red.

CA.GOV CALIFORNIA DEPARTMENT OF WATER RESOURCES

CA.gov | Help | Accessibility

Search

HOME NEWSROOM & EVENTS ISSUES ABOUT US

SGM Sustainable Groundwater Management

Introduction

The Department of Water Resources (DWR) has developed a Strategic Plan for its Sustainable Groundwater Management (SGM) Program. DWR's SGM Program will implement the new and expanded responsibilities identified in the 2014 Sustainable Groundwater Management Act (SGMA). Some of these expanded responsibilities include: (1) developing regulations to revise groundwater basin boundaries; (2) adopting regulations for evaluating and implementing Groundwater Sustainability Plans (GSPs) and coordination agreements; (3) identifying basins subject to critical conditions of overdraft; (4) identifying water available for groundwater replenishment; and (5) publishing best management practices for the sustainable management of groundwater.

Announcements

Groundwater Sustainability Plan (GSP) Draft Regulations – Batch 3 Discussion Papers Available
DWR has published the Batch 3 GSP Discussion Papers on the following topics: Topic 7-Water Budget and Coordination; Topic 8-State Agency Coordination; Topic 9-Data Collection, Management, and Reporting; and Topic 10-Adaptive Management and Focus Areas. Read the discussion papers [here](#). Comments on the discussion papers can be submitted to sgmps@water.ca.gov.

Draft Basin Boundary Emergency Regulations and Public Meetings
Draft Basin Boundary Emergency Regulations have been released. **Public meetings** to consider comments on the Draft Regulations have been scheduled. View the regulations [here](#). View the Public Meeting announcement [here](#). View the recording of the Sacramento (8/31) webcast [here](#).

Sustainable Groundwater Planning Grant Program
DWR has released draft Guidelines and Proposal Solicitation Package for the Sustainable Groundwater Planning Grant Program. Find more information [here](#).

Draft List of Basins in Critical Overdraft
DWR's SGM Program held an informational and comment meeting on August 25 and a webcast on August 26 regarding the Draft List of Critically Overdrafted Basins. SGMA directs DWR to identify basins subject to critical conditions of overdraft. DWR will provide background, describe the process to identify the basins, review draft results, and discuss next steps at the meeting. Find the draft list and more info [here](#).

Groundwater Sustainability Program Draft Strategic Plan

DWR has developed a *Draft Strategic Plan* for its Sustainable Groundwater Program. The draft plan describes DWR's responsibilities and vision for carrying out the Sustainable Groundwater Management Act, a package of laws that aim to protect the groundwater basins that provide more than half of the water Californians use in dry years. The draft plan outlines key actions DWR will undertake over the next several years to position itself to better support local agencies across California to achieve sustainable groundwater management. To read the plan, click [here](#).

GROUNDWATER HOME

SUSTAINABLE GROUNDWATER MANAGEMENT

- » Basin Boundary Regulations
 - » Public Comments
- » Groundwater Sustainability Agencies
 - » Notices of Intent Table
 - » GSA Formation Table
 - » GSA Interactive Map
- » Groundwater Sustainability Plan Regulations
- » Critically Overdrafted Basins
- » Initial Basin Prioritization
- » Communication and Outreach
 - » Advisory Groups
 - » Statewide SGMA Calendar
 - » Region Office Contacts
 - » **Subscribe for Email Updates**
- » Resources
 - » Discussion Papers
 - » Facilitation Support Services
 - » SGMA Definitions
 - » Water Mgmt. Planning Tool
 - » Related Links

GROUNDWATER INFORMATION CENTER

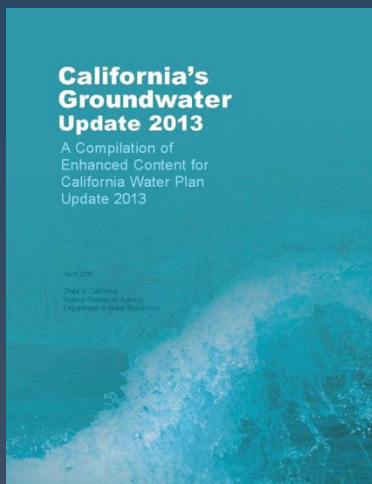
- » CASGEM
- » BULLETIN 118



Questions?

CALIFORNIA WATER PLAN

- cwpc@water.ca.gov
- Abdul Khan: (916) 651-9660
 - abdul.khan@water.ca.gov
- Dan McManus: (530) 529-7373
 - dan.mcmanus@water.ca.gov



California's Groundwater Update 2013

SUSTAINABLE GROUNDWATER MANAGEMENT PROGRAM

- SGM Email Updates
 - <http://water.ca.gov/groundwater/sgm/subscribe.cfm>
 - sgmps@water.ca.gov

